

1-10-13

## RATES

- Ratios involving 2 measurements that you are tracking

Ex: Heart rates  
Job progress  
Speed  
Natural disasters  
Diet  
Temperatures

## UNIT RATES

- Rates for just one item
- \* \* Find unit rates to compare
- \* \* The item that you want to change to one goes on the bottom (denominator)
- \* \* Divide top # by bottom # to find unit rates

Ex:  $\frac{37 \text{ jumping jacks}}{30 \text{ seconds}} \div 30 = \frac{1.2\bar{3} \text{ jumping jacks}}{1 \text{ second}}$

$\frac{43 \text{ jj.}}{28 \text{ sec}} = \frac{1.43 \text{ jj.}}{1 \text{ sec}}$

Ex: Sally typed 115 words in 2 minutes

$$\frac{115 \text{ words}}{2 \text{ min.}} = \frac{57.5 \text{ words}}{1 \text{ minute}}$$

Billy typed 180 words in 3 minutes

$$\frac{180 \text{ words}}{3 \text{ min.}} = \frac{60 \text{ words}}{1 \text{ min.}}$$

Ex: Juice

① 16 oz.  $\frac{\$2.80}{16 \text{ oz.}} = \frac{\$0.175}{1 \text{ oz.}}$

② 40 oz.  $\frac{\$6.00}{40 \text{ oz.}} = \frac{\$0.15}{1 \text{ oz.}} \leftarrow \text{Best Buy}$

Ex: Bread

① 36 slices  $\frac{\$2.15}{36 \text{ slices}} = \frac{\$0.05972}{1 \text{ slice}} \leftarrow \text{Best Buy}$

② 24 slices  $\frac{\$1.75}{24 \text{ slices}} = \frac{\$0.072916}{1 \text{ slice}}$